CLAIMS:

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1. Aliquid crystal display device comprising:

pixel electrodes;

a common electrode;

a plurality of data lines and a plurality of gate lines intersecting each

5 other;

a plurality of switchers, provided for the pixel electrodes, for supplying signals from the data lines to the pixel electrode;

a gate line driver for scanning the gate lines;

a data line driver for driving the data lines, in accordance with the gradation to be displayed; and

a controller for controlling the gate line driver and the data line driver, wherein

the controller comprises a signal absence detector for detecting that no signal has been input to the liquid crystal display device,

the controller outputs a signal to the gate line driver to make all the gate lines active for a predetermined time after the signal absence detector detects that no signal has been uput, and

the controller outputs a signal, to the data line driver, to supply an electric potential, applied to the common electrode, to all the data lines for the predetermined time.

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- 2. A liquid crystal display device according to claim 1, wherein the predetermined time is a time required to discharge all the charge from the liquid crystal by supplying the common electric potential to all the pixel electrodes.
- 3. A liquid crystal display device according to claim 1, wherein the signal whose absence the signal absence detector detects is at least a video signal, a horizontal synchronizing signal, or a vertical synchronizing signal.
- 4. A liquid crystal display device according to claim 1, further comprising a power supply maintaining circuit for maintaining power after a power supply to the liquid crystal display device is turned off.
- 5. A liquid crystal display device according to claim 1, wherein the data line driver connects all the data lines to the ground after a power supply to the liquid crystal display device is turned off.
- 6. A liquid crystal display device according to claim 1, wherein the predetermined time is determined based on a time constant of a resistance and a capacitor.

7. A method for controlling a liquid crystal display device comprising: pixel electrodes; a common electrode; a plurality of data lines and a plurality

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of gate lines intersecting each other; a plurality of switchers, provided for the pixel electrodes, for supplying signals from the data lines to the pixel electrode; a gate line driver for scanning the gate lines; a data line driver for driving the data lines, in accordance with the gradation to be displayed; and a controller for controlling the gate line driver and the data line driver, the method comprising the steps of:

detecting that no signal is input to the liquid crystal display device;

making all the gate lines active for a predetermined time after the

signal absence detector detects that no signal is input; and

supplying an electric potential, applied to the common electrode, to all the data lines for the predetermined time.

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ABSTRACT OF THE DISCLOSURE

The liquid crystal display device of the present invention comprises: pixel electrodes; a common electrode; a plurality of data lines and a plurality of gate lines intersecting each other; a plurality of switchers, provided for the pixel electrodes, for supplying signals from the data lines to the pixel electrode; a gate line driver for soaming the gate lines; a data line driver for driving the data lines, in accordance with the gradation to be displayed; and a controller for controlling the gate line driver and the data line driver. controller comprises a signal absence detector for detecting that no signal has been input to the liquid crystal display device. The controller outputs a signal to the gate line driver to make all the gate lines active for a predetermined time after the signal absence detector detects that no signal The controller outputs a signal, to the data line driver, to has been input. supply an electric potential, applied to the common electrode, to all the data lines for the predetermined time.